

# Colour Hardener Sealer Datasheet

September 2018

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A non-yellowing clear, thermoplastic acrylic lacquer-based resin which displays excellent UV stability. Has very fast solvent release, i.e. drying properties. The sealer greatly enhances the colour and protects the surface from the ingress of dirt and grease.

## Technical Data

Type	Solvent based acrylic
Colour	Transparent
Pot life	2 hours
Initial set	2-3 hours depending on weather
Final cure	7 days
Working time after mixing	30 min after stirring and decanting
Application temperature (ambient)	10°C to 30°C
Substrate temperature	10°C to 30°C
ph Scale	Acidic
UV resistance	Stable and non-yellowing
Abrasive resistance	Trafficable after 3 days at 25°C and 50% RH
Density	0.8kg/litre
Protection during application	Sun and wind barriers
Safety	See MSDS

## Purpose

Provides a tough, durable, flexible, clear, penetrating coating on horizontal and vertical surfaces of concrete, cement plaster and masonry. Combines aesthetic appeal with protective performance. The main properties are UV resistance, non-yellowing, resists becoming brittle, water-fast, alkali resistant and carbon dioxide tight. It has good binding properties on friable surfaces and can be recoated.

## Applications

Recommended for the sealing of Cemcrete's wall and floor micro toppings subject to the following criteria:

1. Colour Hardener Can use as is.
2. CreteCote Prime first with one coat Concrete sealer. Allow 6hrs to dry.
3. FloorCrete Prime first with one coat Concrete sealer. Allow 6hrs to dry.

## Types

Colour Hardener Sealer Standard and Matt.

## Colours

Clear only.

## Specifying

Coat as many coats of **Colour Hardener Sealer** as is required to get an even sheen. The number of coats used will depend porosity and texture. Allow 2 to 3 hours between coats depending on the weather.

Cemcrete provides a comprehensive technical service based on over 3 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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## Note

Not for use in water-containing structures.

## Storage

Can be stored above 5°C in sealed steel drums for 6 months from date of invoice.

## Suitable surfaces

Architectural concrete, split concrete bricks, exposed aggregate concrete, brushed terrazzo, brick walling. All surfaces should be hard, dry and free from anything which could prevent penetration of the sealer. Curing membranes and shutter release agent must be completely removed. This is essential.

## Surface preparation

### Raw existing surfaces

Substrate(s) should preferably be ground with a grinder to remove surface residues and to expose the true condition of the substrate. Surfaces should be hard (no crumbling or cracking, and have good compressive strength). They should also be clean, free of contaminants, or laitance of any sort which may impair bond.

### Surfaces coated with Cemcrete cement based decorative coatings

Only coat where moisture levels are less than 5%

## Weather

Do not apply when the temperature is below 10°C or when rain is expected within 8 hours, and on frozen surfaces.

## Mixing

Use straight from the can after stirring thoroughly. Clean all tools using white spirits.

## Masking

For best results all windows, doors and adjacent surfaces should be masked using masking tape and brown paper. All masking material must be removed timeously so as not to fray the edges of the application.

## Application

Recommended for the sealing of Cemcrete's wall and floor micro toppings subject to the following criteria:

1. Colour Hardener – Can use as is.
  2. CreteCote – Prime first with one coat Concrete Sealer. Allow 6hrs to dry.
  3. FloorCrete - Prime first with one coat Concrete Sealer. Allow 6hrs to dry.
- Using an Addis primer and undercoat roller, apply as many coats, at 3 hr intervals, as is required to obtain an even sheen.
  - The second coat, and subsequent coats if required, must be applied at a 90-degree angle to the previous coat.
  - Equipment needs to be cleaned with a solvent.
  - After 3 hours apply water droplets to various parts of the floor. If water is absorbed, apply additional suitable coats.
  - Ensure no pooling of the sealer is left on the surface during application.
  - Only apply in ventilated areas, keep away from all ignition sources, flames and sparks. Do not eat, drink or smoke while applying this product. Use a suitable organic filter mask and eye protection.

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## Specimen finish

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A trial area should be treated on-site for the architect's approval.

## Coverage

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Approximately 4 to 8m<sup>2</sup> per litre per coat. This coverage depends on the porosity of the substrate. The first coat will penetrate and then the subsequent coats should require less sealer.

## Packaging

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Supplied in 1 litre, 5 litre and 25 litre non-returnable steel drums.

### Safety Warning

This product is lacquer-based and therefore highly flammable. Store away from heat and direct sunlight. Safety clothing should be used.

## Manufacturer's Warranty

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Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

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